CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

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QC-ABSTRACT

Name of Work:- "Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	Materials	–	1	1	Cement
					Sand, Aggregates
2	M15	10.62 Cum	2	2	Concrete Cube Compressive Strength
3	Hollow Poles	448.15 sqm	1	1	-

Cubes

0-5 m^3	1set
6-15 m^3	2set
16-30 m^3	3set
31-50 m^3	4 set

Add 1set for every 50 Cum

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Job No.: CACE/BBMP/KC/W.No.03/2022-23 Date: 24.06.2022

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri.Kishan Construction (Pro.Sri Rajanna N) ,** Contractor, Bangalore.
NAME OF THE WORK	:	"Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."
SAMPLE ID	:	Cement (Birla OPC 53 Grade)
DATE OF MANUFACTURE		May-2022
DATE OF TESTING		22.06.2022 to 24.06.2022
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	345 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

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⇒ Any Query regarding the report must be reported within 30days from the date of testing.

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Job No.: CACE/BBMP/KC/W.No 03/2022-23 Date : 24.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri.Kishan Construction (Pro.Sri Rajanna N) , Contractor, Bangalore.**

Name of Work :"Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Date of Testing : 24.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	99	9.90	9.90	90.1	90-100
2.36	130	13.00	22.90	77.1	75-100
1.18	185	18.50	41.40	58.6	55-90
600 Micron	170	17.00	58.40	41.6	35-59
300 Micron	255	25.50	83.90	16.1	8-30
150 Micron	137	13.70	97.60	2.4	0-10

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Job No.: CACE/BBMP/KC/W.No.03/2022-23 Date : 24.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client :Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency :Sri.Kishan Construction (Pro.Sri Rajanna N) , Contractor, Bangalore.

Name of Work :"Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Date of Testing : 24.06.2022

Material : Sand(Masonry) Total wt. of aggregates in gms = 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	27	2.70	2.70	97.3	90-100
1.18	33	3.30	6.00	94.0	70-100
600 Micron	91	9.10	15.10	84.9	40-100
300 Micron	255	25.50	40.60	59.4	5-70
150 Micron	489	48.90	89.50	10.5	0-15

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Job No.: CACE/BBMP/KC/W.No.03/2022-23 Date : 24.06.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri.Kishan Construction (Pro.Sri Rajanna N) , Contractor, Bangalore.**

Name of Work :"Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Date of Testing : 24.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	198	4.0	4.0	96.0	95-100
10	2477	49.5	53.5	46.5	25-55
4.75	1912	38.2	91.7	8.3	0-10

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Job No.: CACE/BBMP/KC/W.No.03/2022-23 Date:27.06.2022

TEST REPORT OF GALVALUME

Client: **Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Address: **Sri.Kishan Construction (Pro.Sri Rajanna N) , Contractor, Bangalore.**

Name of Project: "Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample Identification 50*6mm

Reference BIS Codes: IS 277:2003, IS 6745:1972, IS 1608:2005, IS 1786:2008

Date of test: 27.06.2022

SL. NO.	TESTS	RESULTS
1	Tensile Strength, N/mm^2	612
2	Yeild Strength, N/mm^2	531
3	Thickness mm	6.2

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Job No.: CACE/BBMP/KC/W.No.03/2022-23 Date:27.06.2022

TEST REPORT OF GALVALUME

Client: **Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Address: **Sri.Kishan Construction (Pro.Sri Rajanna N) , Contractor, Bangalore.**

Name of Project: "Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample Identification Flat 12*75mm

Reference BIS Codes: IS 277:2003, IS 6745:1972, IS 1608:2005, IS 1786:2008

Date of test: 27.06.2022

SL. NO.	TESTS	RESULTS
1	Tensile Strength, N/mm^2	591
2	Yeild Strength, N/mm^2	529
3	Thickness mm	12.14

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Job No.: CACE/BBMP/KC/W.No.03/2022-23 Date:27.06.2022

TEST REPORT OF GALVALUME

Client:	**Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**
Address:	**Sri.Kishan Construction (Pro.Sri Rajanna N) , Contractor, Bangalore.**
Name of Project:	"Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."
Sample Identification	Hallow poles 132*132mm
Reference BIS Codes:	IS 277:2003, IS 6745:1972, IS 1608:2005, IS 1786:2008
Date of test:	27.06.2022

SL. NO.	TESTS	RESULTS
1	Tensile Strength, N/mm^2	598
2	Yeild Strength, N/mm^2	535

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Job No.: CACE/BBMP/KC/W.No.03/2022-23

Date: 08.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client :Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : Sri.Kishan Construction (Pro.Sri Rajanna N) , Contractor, Bangalore.

Name of the work : "Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2022	08.07.2022	8.151	291.2	12.94
2	01.07.2022	08.07.2022	8.165	287.9	12.80
3	01.07.2022	08.07.2022	8.171	283.7	12.61

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Job No.: CACE/BBMP/KC/W.No.03/2022-23 Date: 08.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client :**Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri.Kishan Construction (Pro.Sri Rajanna N) , Contractor, Bangalore.**

Name of the work : "Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2022	08.07.2022	8.177	291.0	12.93
2	01.07.2022	08.07.2022	8.185	293.9	13.06
3	01.07.2022	08.07.2022	8.190	296.2	13.16

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Job No.: CACE/BBMP/KC/W.No.03/2022-23 Date: 29.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client :Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : Sri.Kishan Construction (Pro.Sri Rajanna N) , Contractor, Bangalore.

Name of the work : "Improvements and Development of Santha Sevalal Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2022	29.07.2022	8.164	380.5	16.91
2	01.07.2022	29.07.2022	8.173	384.9	17.11
3	01.07.2022	29.07.2022	8.191	387.2	17.21

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